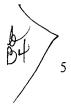
## What is Claimed is:



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1. An isolated nucleic acid encoding a *C. pneumoniae* protein as set forth in Table 3.

- The isolated nucleic acid of Claim 1, wherein said nucleic acid has a nucleotide sequence of an open reading frame in SEQ ID NO:1.
- 3. A probe comprising a hybridizing fragment of an isolated nucleic acid according to Claim 2.
- 5. An isolated nucleic acid that hybridizes under stringent conditions to the nucleic acid sequence of Claim 2.
- 6. An expression cassette comprising a transcriptional initiation region functional in an expression host, a nucleic acid having a sequence of the isolated nucleic acid according to Claim 1 under the transcriptional regulation of said transcriptional initiation region, and a transcriptional termination region functional in said expression host.

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7. A cell comprising an expression cassette according to Claim 6 as part of an extrachromosomal element or integrated into the genome of a host cell as a result of introduction of said expression cassette into said host cell, and the cellular progeny of said host cell.

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8. A method for producing a *C. pneumoniae* protein, said method comprising:

growing a cell according to Claim 7, whereby said *C. pneumoniae* protein is expressed; and

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isolating said C. pneumoniae protein free of other proteins

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9. A purified polypeptide composition comprising at least 50 weight % of the protein present as a *C. pneumoniae* protein comprising an amino acid sequence of claim1.

10. A monoclonal antibody binding specifically to the polypeptide of Claim 9.

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